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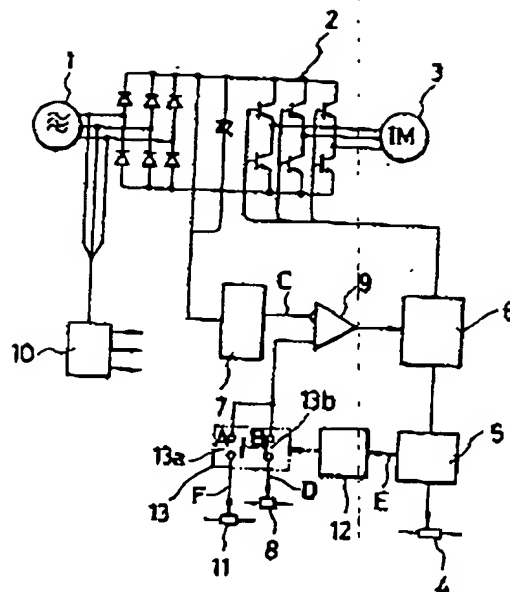
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APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : HASEGAWA MASAYASU;

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TITLE : OVERVOLTAGE PROTECTING
 CIRCUIT OF INVERTER



ABSTRACT : PURPOSE: To protect against excess power source voltage state and an overvoltage at the regenerative time by merely detecting the bus voltage by providing two types of the comparing levels of a comparator at the accelerating time and except the accelerating time, and switching according to the state.

CONSTITUTION: A discriminator 12 discriminates the stop or accelerating time and the time except them from a signal of a frequency controller 6, and applies a discrimination signal E to an analog switch 13. The switch 13 switches between a regenerative overvoltage level setter 7 and the level set by an excess power source voltage level setter 11 according to the discrimination signal E. A contact 13a is closed at the accelerating time, and the excess power source voltage level F and a bus voltage level C are compared by a comparator 9. A B contact 13b is closed at the time except the accelerating time, and the regenerative overvoltage level D and the bus voltage level C are compared by the comparator 9. Thus, two ways of protections can be performed.

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